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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/045,937	10/19/2001	David J. Beebe	282.020	4878
23598	7590 01/27/2005		EXAMINER	
BOYLE FREDRICKSON NEWHOLM STEIN & GRATZ, S.C. 250 E. WISCONSIN AVENUE			ALEXANDER, LYLE	
SUITE 1030	ONSIN AVENUE		ART UNIT	PAPER NUMBER
MILWAUKEE, WI 53202			1743	
			DATE MAILED: 01/27/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Applicati n N .	Applicant(s)
Office Assistant Communication	10/045,937	BEEBE ET AL.
Offic Action Summary	Examiner	Art Unit
•	Lyle A Alexander	1743
	Kirtina marifika ina asar	<i>ૡૢ૱ઌઌૢ૽ૡ૽ૢૡૢ૽ઌઌ૽૽ૺ૱ૡૢ૽૱ઌઌૢઌ૽ૡ૽ૢૺૡ</i> ૺ૱૱ઌ
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a repl within the statutory minimum of thirty (ill apply and will expire SIX (6) MONTH cause the application to become ABAN	y be timely filed 30) days will be considered timely. S from the mailing date of this communication.
Status	โดยเปียงและเกมเกิดเหตุโนเลี้ยงเลือน	miisitulaikaadiino innissi m
1) Responsive to communication(s) filed on the 1.	/26/05 inteview summary.	ling of the first that the same of the
2a)⊠ This action is FINAL	action is non-final.	Heliopeling and the control of the c
3) Since this application is in condition for allowar		s, prosecution as to the merits is
closed in accordance with the practice under E		
Disp sition of Claims 4) ☑ Claim(s) <u>1-27</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw		
5) Claim(s) is/are allowed.		and the second the
6)⊠ Claim(s) <u>1-27</u> is/are rejected.	radio di salah salah salah	A BANKA AN
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or	r election requirement.	•
Application Papers		
9) The specification is objected to by the Examine	4 — 374 — , — — _{14 —} но г .	· · · · · · · · · · · · · · · · · · ·
10) The drawing(s) filed on is/are: a) acce		the Examiner
Applicant may not request that any objection to the		
Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Ex	ion is required if the drawing(s)	is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori	priority under 35 U.S.C. § 1 s have been received. s have been received in App ity documents have been re i (PCT Rule 17.2(a)).	19(a)-(d) or (f). Dication No Diceived in this National Stage
* See the attached detailed Office action for a list of	of the certified copies not re	ceived.
Attachment(s)		·
1) Notice of References Cited (PTO-892)	4) Interview Sun	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		Aail Date. <u>1/26/05</u> . rmal Patent Application (PTO-152)

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In response to the 1/26/05 interview, the Office acknowledges citation of the incorrect penultimate paragraph that should have explained why a first action final is proper. The correction will be made and the period for response restarted with the remailing of this final Office action.

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Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

Claims 1-27 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The 3/15/04 amendments to the independent add the limitation "... wherein the first and second indicia's are independent of size". The claim is vague and indefinite what relationship between the indicator and size is intended.

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-27 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Beebe et al.

Bebbe et al. teach a microfluidic device using a hydrogel, a photo-initiator, a cross-linker and a pH indicator to optically determine fluidic characteristics. Column 11 lines 18+ teach a pH sensitive polymer mixture hydrogel(308) that has been read on the

claimed immobilized dye. Column 34 lines 32-42 teach a change in optical properties in response to the detection of changes in pH.

Response to Arguments

Applicant's arguments filed 3/15/04 have been fully considered but they are not persuasive.

vacated.

Applicants state Bebbe et al. fails to teach colorimetric indicia. Applicants characterized Bebbe et al. on the second page of their response in the paragraph bridging the first and second pages a " ... second component to produce a colored change ...". Additionally, Bebbe et al. teach in column 34 lines 32-42 a change in optical properties as a result of changed in pH.

Applicants state Bebbe et al. fails to teach immobilizing a dye within a hydrogel.

Bebbe et al. teach in column 11 lines 18+ teach a pH sensitive polymer mixture

hydrogel(308) that has been read on the claimed immobilized dye.

Finally, Applicants state with respect to claims 1 and 10, Bebbe et al. fails to teach mixing a dye into a prepolymer mixture and placing the mixture into a channel. These remarks are not commensurate in scope with these claims. However, Bebbe et al. teach in column 11 lines 18+ teach a pH sensitive polymer mixture hydrogel(308) that would meet these limitations if later claimed.

Conclusion

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All claims are drawn to the same invention claimed in the application prior to the entry of the submission under 37 CFR 1.114 and could have been finally rejected on the grounds and art of record in the next Office action if they had been entered in the application prior to entry under 37 CFR 1.114. Accordingly, THIS ACTION IS MADE

FINAL even though it is a first action after the filing of a request for continued examination and the submission under 37 CFR (1.114). See MREP § 706.07(b)

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lyle A Alexander whose telephone number is 571-272-1254. The examiner can normally be reached on Monday, Wednesday and Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on 571-272-1267. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/045,937

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lyle A Alexander
Primary Examiner
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